

TRADÉCO®

WHITE LIME



FRENCH
MANUFACTURING



THE + BENEFITS

- + HIGH WORKABILITY
- + EXCELLENT VAPOUR PERMEABILITY
- + GREAT FLEXIBILITY
- + RESPECTS THE COLOUR OF THE LOCAL SANDS
- + COMPATIBLE WITH HEMP

SUITABLE FOR

- Renders & plasters
- Bedding
- Pointing
- Finishing
- Hemp renders

PACKAGING

25 kg bag
40 bags per pallet (1T pallet)

PRODUCT COMPOSITION

Formulated from Saint-Astier® hydraulic lime.

SHELF LIFE & GUARANTEE

One year from production date if protected in the original packaging and stored in dry conditions.
Manufacturer Civil Responsibility.



by



SAINT-ASTIER
LIME. LIFELONG EXCELLENCE

25
KG

HL
3,5

NF-EN
459



PERFORMANCE

MAIN DATA	
RETAINED AT 90 µm	< 1%
RETAINED AT 200 µm	< 0,5%
DRY DENSITY (powder) Y = 88	< 600 g/l

TESTS ON MORTAR PREPARED according to en 459-2	
COMPRESSIVE STRENGTH at 7 days at 28 days	5.5 N/mm ² 7 N/mm ²
FLEXURAL STRENGTH at 7 days at 28 days	1.3 N/mm ² 2 N/mm ²

TEST RESULTS
WET DENSITY (g/l)
SETTING TIME (hours)
WATER RETENTION (%)
COMPRESSIVE STRENGTH AT 7 DAYS (MpA) AT 28 DAYS (MpA)
FLEXURAL STRENGTH 28 DAYS (MpA)
BONDING STRENGTH (tensile-MpA)
DENSITY AT 7 DAYS (g/l) AT 28 DAYS (g/l)
SHRINKAGE AT 7 DAYS (mm/m) AT 28 DAYS (mm/m)
THERMAL CONDUCTIVITY AT 28 DAYS (W/m.K)
ELASTICITY MODULI AT 28 DAYS (MpA)
CAPILLARITY 28 DAYS (g/dm ² x min 1/2)
VAPOUR PERMEABILITY (g.m ² /hour.mmHg)

RATIO 1:2 SAND 0/3MM
1,600
2 to 4,5
87
3.4 4.5
0.95 – 1.3
0.37 - 0.5
1,550 1,500
0.72 0.88
λ 0.49 tabulated EN 1745
5,000
0.74
0,8

RATIO 1:2.5
1,700
2 to 4,5
85
2.55 3.35
0.71 - 0.97
0.28 - 0.37
1,575 1,550
0.7 0.8
λ 0.49 tabulated EN 1745
4,500
0.8
0,85

APPLICATION

Mechanical spraying is possible, please contact us.
Before starting, always try on a small test area.

WORKING TEMPERATURE

Not below 8°C or above 30°C. Ensure high suction substrates are thoroughly dampened before application. Avoid rapid drying due to high temperatures and strong winds by covering and curing with a light water mist as necessary. Reseal open bags as soon as possible.

PREPARATION

Up to 5 minutes in a conventional drum mixer.

HEALTH & SAFETY

Follow the instructions on the safety data sheet and wear the appropriate equipment (gloves, mask, safety shoes...).



HEMP RENDERS AND PLASTERS

MORTAR PREPARATION

No matter the type and desired finish, the mix has to be done as follows :

- Put all the water in the drum mixer and the TRADÉCO® lime.
- Keep mixing for a few minutes in order to get an homogenous milk of lime.
- Add the decompressed hemp and mix until the mortar get homogenous consistency and regular colour (5 to 15 minutes).
- The mix should be fat and unctuous.

4 TRADÉCO® Lime 25 kg bag	1 ISOCANNA® Hemp bales 20 kg	11/12 10 litre bucket
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MORTAR APPLICATION

- The hemp/lime coating is applied on a traditional stipple coat 24 hours after its completion.
- Apply the hemp render manually with a trowel or float. Hemp renders are applied in coats of 2 to 3 cm thickness with a delay of 30 to 90 mins between each coat. If the hemp base coat has to receive a mineral render, its surface must be left rough and allowed to dry for 60 to 90 days. The mineral finishing coat can be done with TÉRÉCHAUX® NHL2, TRADÉCO® HL3,5, scratched or sponge finish are possible, surface without joint at max 20 m².
- TRADÉCO® final coat can be floated (the base coat has to set for 3 to 4 days before applying the last coat). TRADÉCO® can also receive limepaint after 60 days of drying.

INSULATING MORTAR TRADÉCO® / ISOCANNA® FEATURES

DRY DENSITY (kg / m³)	ELASTICITY MODULI AT 28 DAYS (MPa)	COMPRESSIVE STRENGTH AT 28 DAYS (MPa)	THERMAL CONDUCTIVITY (W.m⁻¹.K⁻¹)	THERMAL RESISTANCE FOR 8 CM WIDTH (m².K.W⁻¹)	FIRE RESISTANCE
500 to 800 depending on settling	> 20	> 0,3	λ = 0,12	R = 0,67	A2 - s1 , d0

TRADITIONAL RENDERS & PLASTERS

BUILDING, POINTING

SOFT MASONRY ELEMENT AND POINTING	Soft stones (limestone, sandstone...)	1 TRADÉCO® + 2,5/3 Sand 0/4	Hollow or solid bricks or Old bricks	1 TRADÉCO® + 2 Sand 0/4
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RENDERING/PLASTERING

MANUAL APPLICATION AND SABLON*	STIPPLE COAT	BASE COAT	TOP COAT	
	3 to 5 mm	10 to 20 mm	Scratch, sponge (5 to 7 mm)	Floated 5 mm max (only manual app)
OLD MASONRY	1 TRADÉCO® + 1,5 Sand 0/4	1 TRADÉCO® + 2 Sand 0/4	1 TRADÉCO® + 2/2,5 Sand 0/4	1 TRADÉCO® + 2,5/3 Sand 0/2
ESTIMATED LIME CONSUMPTION	2 kg / m² for 5 mm	3,5 kg / m² for 10 mm	3 à 4 kg / m² for 10 mm	1,5 kg / m² for 5 mm
WAITING TIME BETWEEN COATS	2 days		At least 7 days	

*For application with a render gun, it is possible to not use a stipple coat, it's important use the right dosage of sand.

MECHANICAL APPLICATION (screw pump machine)	1st COAT	TOP COAT (contact us)	
	15 to 20 mm	Scratch, sponge (5 to 7mm)	Floated 5 mm max (only manual app)
OLD MASONRY	1 TRADÉCO® + 7/8 Sand 0/4	1 TRADÉCO® + 8/9 Sand 0/2 to 0/4	1 TRADÉCO® + 9/10 Sand 0/2
ESTIMATED LIME CONSUMPTION	5 to 6,5 kg / m² for 15 mm	3 to 4 kg / m² for 10 mm	1,5 kg / m² for 5 mm
WAITING TIME BETWEEN COATS		At least 7 days	

COMPLEMENTARY INFORMATION

- Plastic floats are not recommended. Smoothed finish, maximum thickness 5 mm.
- After rain, nuances could appear on traditional coating. This phenomenon demonstrates that lime mortar has a role as a hygrometric regulator.
- Quantity of mixing water: depending on the sand humidity and the dosage.
- Additional information on www.stastier.co.uk

EQUIVALENCE

1 TRADÉCO® 25 kg Bag	=	4 10 litre bucket
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